Explanation of Amendments in the Claims:

1.(cancelled)

2.(cancelled)

3.(cancelled)

4.(cancelled)

5.(cancelled)

6.(cancelled)

7.(cancelled)

8.(cancelled)

9.(cancelled)

10.(cancelled)

11.(cancelled)

12.(cancelled)

13.(cancelled)

14.(cancelled)

15.(cancelled)

16.(cancelled)

17.(previously amended) The apparatus according to Claim 36 wherein the sensing assemblies comprise sense coil assemblies; and wherein the sense coil assemblies are wound in opposition and connected in series so as to reduce magnetic interference from external sources.

18.(previously added) The apparatus according to Claim 17 wherein the sense coil assemblies provide substantially vertical coil legs at spaced

positions along the path and on opposite sides of the path.

19.(cancelled)

20.(previously added) The apparatus according to Claim 17 wherein the sense coil assemblies lie in a plane generally parallel to the path along respective sides of the path.

21.(previously added) The apparatus according to Claim 17 wherein the sense coil assemblies each include a primary coil and at least one secondary coil shaped and arranged to cancel components of electrical signal generated by fields or movements outside of the path.

22.(previously added) The apparatus according to Claim 21 wherein each of the sense coil assemblies includes an outermost largest primary coil, an intermediate secondary coil smaller than the outermost coil, and two secondary innermost coils which are each smaller than the intermediate coil and arranged one above the other.

23.(previously added) The apparatus according to Claim 22 wherein each of the sense coil assemblies provides substantially vertical coil legs at spaced positions along the path with interconnecting top and bottom coil portions lying in a common plane at the top and bottom of the path.

24.(currently amended) The apparatus according to Claim 17 wherein the sense coil assemblies define a detection zone along the path ~~within the sense coil assemblies~~ and there is provided a device for detecting entry of the person into and departure of the person from the detection zone.

25.(currently amended) The apparatus according to Claim 24

wherein the electrical measuring device is arranged to provide an integral of the electrical signal as the person moves through the detection zone.

26.(previously added) The apparatus according to Claim 17 wherein the sense coil assemblies and the path are mounted on at least one anti-vibration platform.

27.(previously amended) The apparatus according to Claim 36 wherein the sensing assemblies comprise sense coil assemblies; wherein the sense coil assemblies are wound in opposition and connected in series so as to reduce magnetic interference from external sources; and wherein the sense coil assemblies each include a primary coil and at least one secondary coil shaped and arranged to cancel components of electrical signal generated by fields or movements outside of the path.

28.(previously added) The apparatus according to Claim 27 wherein the sense coil assemblies provide substantially vertical coil legs at spaced positions along the path and on opposite sides of the path.

29.(cancelled)

30.(previously added) The apparatus according to Claim 27 wherein the sense coil assemblies lie in a plane generally parallel to the path along respective sides of the path.

31.(previously added) The apparatus according to Claim 27 wherein each of the sense coil assemblies includes an outermost largest primary coil, an intermediate secondary coil smaller than the outermost coil, and two secondary innermost coils which are each smaller than the intermediate coil and

arranged one above the other.

32.(previously added) The apparatus according to Claim 27 wherein each of the sense coil assemblies provides substantially vertical coil legs at spaced positions along the path with interconnecting top and bottom coil portions lying in a common plane at the top and bottom of the path.

33.(currently amended) The apparatus according to Claim 27 wherein the sense coil assemblies define a detection zone along the path ~~within the sense coil assemblies~~ and there is provided a device for detecting entry of the person into and departure of the person from the detection zone.

34.(currently amended) The apparatus according to Claim 33 wherein the electrical measuring device is arranged to provide an integral of the electrical signal as the person moves through the detection zone.

35.(previously added) The apparatus according to Claim 27 wherein the sense coil assemblies and the path are mounted on at least one anti-vibration platform.

36.(previously added) An apparatus for use in detecting a ferromagnetic object, the apparatus comprising:

guide members defining a path along which persons, who are potentially transporting a ferromagnetic object, are prescribed to pass;

said guide members being arranged such that said path is located, in use, in a magnetic field;

a pair of sensing assemblies mounted at the guide members and arranged at a predetermined location and orientation relative to the guide members

such that, as a person transporting a ferromagnetic object to be detected passes along the prescribed path, the movement of the ferromagnetic object in the magnetic field causes a voltage to be generated in the sensing assemblies;

and an electrical measuring device for measuring an electrical signal generated by the sensing assemblies when the ferromagnetic object travels in the path, the electrical measuring device being arranged to provide a warning indication when the electrical signal exceeds a predetermined value;

wherein the sensing assemblies each include a primary sensing device and at least one secondary sensing device spaced at a different distance relative to the primary sensing device from the path and arranged to reduce components of electrical signal generated by fields or movements outside of the path sufficiently to avoid false warning indications caused by said fields or movements.

37.(currently amended) The apparatus according to Claim 36 wherein the sense coil assemblies define a detection zone along the path ~~within the sense coil assemblies~~ and there is provided a device for detecting entry of the person into and departure of the person from the detection zone.

38.(previously amended) The apparatus according to Claim 36 wherein the sensing assemblies and the path are mounted on at least one anti-vibration platform.